Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 3	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 4	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 5	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 6	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 7	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS 8	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated organizations
NEWS 9	JUN 30	STN on the Web enhanced with new STN AnaVist Assistant and BLAST plug-in
NEWS 10	JUN 30	STN AnaVist enhanced with database content from EPFULL
NEWS 11	JUL 28	CA/CAplus patent coverage enhanced
NEWS 12	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 13	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 14	JUL 28	STN Viewer performance improved
NEWS 15	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 16	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 17	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 18	AUG 15	CAplus currency for Korean patents enhanced
NEWS 19	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 20	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 21	SEP 25	CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS 22	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and and Korean patents enhanced
NEWS 23	SEP 29	IFICLS enhanced with new super search field
NEWS 24	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS 25	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS 26	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS 27	OCT 07	Multiple databases enhanced for more flexible patent number searching

```
 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 05:34:16 ON 15 OCT 2008

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'CAPLUS' ENTERED AT 05:35:02 ON 15 OCT 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 15 Oct 2008  VOL 149 ISS 16
FILE LAST UPDATED: 14 Oct 2008  (20081014/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> hydoxylamine
L1            5 HYDOXYLAMINE

=> hydroxylamine
          36046 HYDROXYLAMINE
           3194 HYDROXYLAMINES
L2        37318 HYDROXYLAMINE
                (HYDROXYLAMINE OR HYDROXYLAMINES)
```

```
=> inhibitor
        593482 INHIBITOR
        586332 INHIBITORS
L3      920661 INHIBITOR
                  (INHIBITOR OR INHIBITORS)

=> l2(l)l3
L4        2177 L2(L)L3

=> cyclic
        344068 CYCLIC
           356 CYCLICS
L5      344209 CYCLIC
                  (CYCLIC OR CYCLICS)

=> l4(l)l5
L6          59 L4(L)L5

=> d l6 49-59 ti

L6   ANSWER 49 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Suicide-inhibitory bifunctionally linked substrates (SIBLINKS) as
     phospholipase A2 inhibitors.  Mechanistic implications

L6   ANSWER 50 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of 5-(aminoalkyl)-1,2,4-oxadiazole salts as ulcer inhibitors
     and drug intermediates

L6   ANSWER 51 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Cyclic GMP and cell death in rat cerebellar slices

L6   ANSWER 52 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Far-red stimulated long-lived luminescence from barley protoplasts

L6   ANSWER 53 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Histamine stimulation of canine colonic epithelium:  potentiation by
     hydroxylamines

L6   ANSWER 54 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Antitumor platinum complexes

L6   ANSWER 55 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Does cyclic GMP mediate amylase release from mouse parotid acini?

L6   ANSWER 56 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Activation of guanylate cyclase from rat liver and other tissues by sodium
     azide

L6   ANSWER 57 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Amine functions of reduced basicity.  Hypoglycemic and natriuretic
     α-alkoxybenzylamidoximes, amidines, and cycloamidines

L6   ANSWER 58 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Cyclic nitroxides

L6   ANSWER 59 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Polymers and copolymers of acrylonitrile


=> d l6 59 ti fbib abs

L6   ANSWER 59 OF 59  CAPLUS  COPYRIGHT 2008 ACS on STN
```

TI Polymers and copolymers of acrylonitrile
AN 1965:472587 CAPLUS
DN 63:72587
OREF 63:13444b-d
TI Polymers and copolymers of acrylonitrile
PA Toyo Rayon Co., Ltd.
SO 9 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 6412193		19650422	NL 1964-12193	19641020
				JP	19631021
	BE 654622			BE	
	FR 1412167			FR	

AB The polymerization of acrylonitrile in Me2SO or ethylene carbonate is carried out in the presence of octanoyl peroxide or tert-butyl peroxypivalate as catalyst, suitably in the absence of O, and with the addition of hydroxylamine salts as discoloration inhibitors (0.05-5 g./l. of reaction mixture), optionally with H2SO4 (0.01-1 g./l. of reaction mixture). As salt, the chloride, sulfate, oxalate, phosphate, and (or) acetate of hydroxylamine may be used. Up to 15% of another vinyl monomer (e.g. vinyl acetate) may be present. The polymerization is carried out in a short time to a higher polymerization degree and the yellowing of the product obtained is decreased. Thus, acrylonitrile 19, Me acrylate 1, Na methallylsulfonate 0.3, hydroxylamine sulfate 0.1, EDTA 0.05 (to prevent discoloration by metals), Me2SO 80, and octanoyl peroxide 0.2 part were heated at 45° for 30 hrs. The product had a d.p. of 93%, an intrinsic viscosity of 1.55, and a color index value of 2.5. After defoaming, the polymer solution was spun in a 38% Me2SO solution at 30° through a spinneret (7000 holes of 0.08-mm. diameter) to give white filaments with a good luster.

```
=> polymer?
       2141793 POLYMER?
         93972 POLYMD
         93972 POLYMD
                 (POLYMD)
         36504 POLYMG
        374598 POLYMN
         10076 POLYMNS
        375940 POLYMN
                 (POLYMN OR POLYMNS)
L7     2218805 POLYMER?
                 (POLYMER? OR POLYMD OR POLYMG OR POLYMN)

=> l6 and lo7
             4 LO7
L8           0 L6 AND LO7

=> l6 and l7
L9           5 L6 AND L7

=> d l9 1-5 ti

L9   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Use of cyclic hydroxylamines as polymerization
     inhibitors

L9   ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2008 ACS on STN
```

TI Method for inhibiting polymerization of α,β-unsaturated carboxylic acids

L9 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Vinyl monomer polymerization inhibition using hindered hydroxylamines

L9 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Cyclic nitroxides

L9 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Polymers and copolymers of acrylonitrile

=>

=> d l9 1-4 ti fbib abs

L9 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Use of cyclic hydroxylamines as polymerization inhibitors
AN 2003:1006927 CAPLUS
DN 140:43124
TI Use of cyclic hydroxylamines as polymerization inhibitors
IN Philips, Emyr; Loyns, Colin
PA A H Marks & Company Limited, UK
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003106390	A1	20031224	WO 2003-GB2367	20030530
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			GB 2002-13480	A 20020613
			GB 2002-14093	A 20020619
AU 2003244750	A1	20031231	AU 2003-244750	20030530
			GB 2002-13480	A 20020613
			GB 2002-14093	A 20020619
			WO 2003-GB2367	W 20030530
EP 1511704	A1	20050309	EP 2003-738235	20030530
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
			GB 2002-13480	A 20020613
			GB 2002-14093	A 20020619
			WO 2003-GB2367	W 20030530
JP 2005529223	T	20050929	JP 2004-513226	20030530
			GB 2002-13480	A 20020613
			GB 2002-14093	A 20020619
			WO 2003-GB2367	W 20030530
US 20060167244	A1	20060727	US 2005-516979	20050810

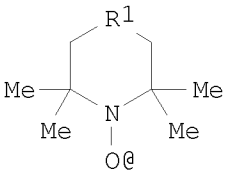
	GB 2002-13480	A	20020613
	GB 2002-14093	A	20020619
	WO 2003-GB2367	W	20030530

OS MARPAT 140:43124
AB A polymerization inhibitor comprising a non-hindered cyclic hydroxylamine (e.g. 1-hydroxypiperidine) either alone or in combination with an addnl. inhibitor is described for a variety of monomers (e.g., styrene).
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

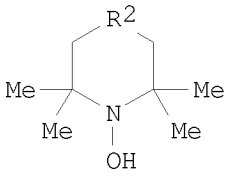
L9 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Method for inhibiting polymerization of α,β-unsaturated carboxylic acids
AN 2002:636470 CAPLUS
DN 137:185237
TI Method for inhibiting polymerization of α,β-unsaturated carboxylic acids
IN Koizumi, Atsushi; Ogawa, Akira; Hino, Tomomichi
PA Mitsubishi Rayon Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002234858	A	20020823	JP 2001-32226	20010208
			JP 2001-32226	20010208

GI



I



II

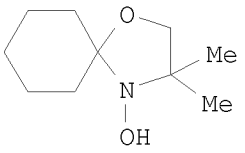
AB Polymerization of the compds. is inhibited by coexisting N-oxyl compds. I (R1 = CH2, CHOH, C:O, CHOCOMe, CHNHCOMe, CHOMe) and hydroxylamines II (R2 = CH2, CHOH, C:O, CHOCOMe, CHNHCOMe, CHOMe) with α,β-unsatd. carboxylic acids and/or their esters. Methacrylic acid containing 20 ppm 2,2,6,6-tetramethyl-4-hydroxypiperidine-1-oxyl and 50 ppm 1,4-dihydroxy-2,2,6,6-tetramethylpiperidine was heated at 120°, resulting in polymerization starting after 28 h.

L9 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Vinyl monomer polymerization inhibition using hindered hydroxylamines
AN 2000:175883 CAPLUS
DN 132:208292
TI Vinyl monomer polymerization inhibition using hindered hydroxylamines
IN Roof, Glenn L.; Shahid, Muslim
PA Baker Hughes Incorporated, USA
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 2000014177	A1	20000316	WO 1999-US20598		19990908
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
			US 1998-99634P	P	19980909
CA 2343022	A1	20000316	CA 1999-2343022		19990908
			US 1998-99634P	P	19980909
			WO 1999-US20598	W	19990908
AU 9958170	A1	20000327	AU 1999-58170		19990908
			US 1998-99634P	P	19980909
			WO 1999-US20598	W	19990908
EP 1114119	A1	20010711	EP 1999-945595		19990908
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI					
			US 1998-99634P	P	19980909
			WO 1999-US20598	W	19990908
US 6342647	B1	20020129	US 1999-391970		19990908
			US 1998-99634P	P	19980909
JP 2002524471	T	20020806	JP 2000-568926		19990908
			US 1998-99634P	P	19980909
			WO 1999-US20598	W	19990908
TW 534923	B	20030601	TW 1999-88115576		19990929
			US 1998-99634P	P	19980909
NO 2001001016	A	20010503	NO 2001-1016		20010227
			US 1998-99634P	P	19980909
			WO 1999-US20598	W	19990908

OS MARPAT 132:208292
GI



I

AB It has been discovered that the polymerization of vinyl aromatic compds., such as styrene, may be inhibited by the addition of a composition that contains a hindered hydroxylamine, and, optionally, a synergist together with the hindered hydroxylamine. In one embodiment of the invention, the hindered N,N-disubstituted hydroxylamine has the formula [(R1R2R3)C]2NOH where R1, R2, and R3 are independently selected from the group consisting of hydrogen, straight, branched or cyclic alkyl, aryl, aralkyl, and alkaryl moieties; where no more than two of R1, R2, and R3 on each C can be hydrogen at a time; where one or more of R1, R2, and R3 on one C may be joined to a R1, R2, and R3 on the other C to form a cyclic moiety selected from the group consisting of alkylene, and aralkylene moieties; where any two of the R1, R2, and R3 on any one C may be joined together to form a cycloalkyl; where

any of the above definitions of R1, R2, and R3 may contain one or more heteroatoms selected from the group consisting of N, O and S; and where the total number of carbon atoms in the hindered N,N-disubstituted hydroxylamine ranges from 6 to 70. Optional synergists may include alkyl-substituted hydroxyarenes such as 2,5-di-tert-butylhydroquinone, and hydrogen transfer agents such as 1,2,3,4-tetrahydronaphthalene; and the like, and mixts. thereof. Thus, distilled styrene was heated at 118° for 90 min with an inhibitor composition comprising I (preparation given) 125, 2,5-di-tert-butylhydroquinone 125, and 1,2,3,4-tetrahydronaphthalene 125 ppm giving 1900 mg polystyrene/100 mL styrene, compared with 35,000 mg polystyrene without the inhibitor composition

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Cyclic nitroxides
AN 1968:87161 CAPLUS
DN 68:87161
OREF 68:16799a,16802a
TI Cyclic nitroxides
IN Feldman, Allan M.; Hoffmann, Arthur Kentaro
PA American Cyanamid Co.
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3334103		19670801	US 1965-457899	19650426

GI For diagram(s), see printed CA Issue.
AB The title compds. were prepared by the reaction of cyclic amines with acyl peroxide, followed by alkaline hydrolysis and oxidation of the intermediate acyl hydroxylamine. Thus, stable free radical cyclic nitroxides of the general formula I were prepared, where Z is >CH2 or a bond line. For example, a mixture of 60.5 g. Bz2O2 in 1500 ml. Et2O and 71.5 g. 2,2,6,6-tetramethylpiperidine was refluxed, then cooled, filtered, and saturated with dry HCl. The solid was decomposed with H2O, the product extracted with Et2O, the Et2O evaporated, and the residue refluxed overnight with 50 g. NaOH in 500 ml. MeOH and 50 ml. H2O. Addition of 1 l. H2O, extraction with Et2O, drying, and treatment with HCl gave the hydroxylamine hydrochloride which was converted to the hydroxylamine by treatment with 50% aqueous NaOH and extraction with pentane. Evaporation of pentane in a stream of N and oxidation in the presence of base yielded I (Z = >CH2), which was stored under N. Similarly prepared was I (Z = bond line). The compds. prepared are useful as polymerization inhibitors, antiknock agents, antioxidants for rubber, traps for reactive free radicals, and paramagnetic standards for E.S.R. spectrometry.

=>
=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	47.91	48.12

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.00	-4.00

FILE 'REGISTRY' ENTERED AT 05:53:45 ON 15 OCT 2008

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 OCT 2008 HIGHEST RN 1060965-68-5
DICTIONARY FILE UPDATES: 13 OCT 2008 HIGHEST RN 1060965-68-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

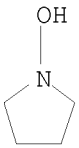
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

```
=> e N-hydroxypyrrolidine/cn
E1            1     N-HYDROXYPYRIDINETHIONE-SODIUM FLUOROSILICATE MIXT./CN
E2            1     N-HYDROXYPYRROLE/CN
E3            1 --> N-HYDROXYPYRROLIDINE/CN
E4            1     N-HYDROXYRILUZOLE/CN
E5            1     N-HYDROXYROBUSTINE/CN
E6            1     N-HYDROXYSACCHARIN/CN
E7            1     N-HYDROXYSARCOSINE/CN
E8            1     N-HYDROXYSERTRALINE/CN
E9            1     N-HYDROXYSERTRALINE GLUCURONIDE/CN
E10           1     N-HYDROXYSILAUREA/CN
E11           1     N-HYDROXYSILAUREA, CONJUGATE MONOACID/CN
E12           1     N-HYDROXYSOLASODINE/CN

=> e3
L10           1 N-HYDROXYPYRROLIDINE/CN

=> d l10

L10  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   5904-62-1  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Pyrrolidine, 1-hydroxy-  (CA INDEX NAME)
OTHER NAMES:
CN   1-Hydroxypyrrolidine
CN   1-Pyrrolidinol
CN   N-Hydroxypyrrolidine
CN   NSC 71874
MF   C4 H9 N O
CI   COM
LC   STN Files:   BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
       CHEMINFORMRX, CHEMLIST, TOXCENTER, USPATFULL, USPATOLD
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

51 REFERENCES IN FILE CA (1907 TO DATE)
51 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.61	55.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.00

FILE 'CAPLUS' ENTERED AT 05:54:35 ON 15 OCT 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 15 Oct 2008 VOL 149 ISS 16
FILE LAST UPDATED: 14 Oct 2008 (20081014/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> d his

(FILE 'HOME' ENTERED AT 05:34:16 ON 15 OCT 2008)

FILE 'CAPLUS' ENTERED AT 05:35:02 ON 15 OCT 2008

L1	5	HYDOXYLAMINE
L2	37318	HYDROXYLAMINE
L3	920661	INHIBITOR
L4	2177	L2(L)L3
L5	344209	CYCLIC

```
L6           59 L4(L)L5
L7      2218805 POLYMER?
L8            0 L6 AND LO7
L9            5 L6 AND L7

     FILE 'REGISTRY' ENTERED AT 05:53:45 ON 15 OCT 2008
                E N-HYDROXYPYRROLIDINE/CN
L10           1 E3

     FILE 'CAPLUS' ENTERED AT 05:54:35 ON 15 OCT 2008

=> l10 and l3
            51 L10
L11          1 L10 AND L3

=> d l11

L11  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   2003:1006927  CAPLUS
DN   140:43124
TI   Use of cyclic hydroxylamines as polymerization inhibitors
IN   Philips, Emyr; Loyns, Colin
PA   A H Marks & Company Limited, UK
SO   PCT Int. Appl., 19 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
PI   WO 2003106390        A1    20031224    WO 2003-GB2367          20030530
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003244750        A1    20031231    AU 2003-244750          20030530
     EP 1511704           A1    20050309    EP 2003-738235          20030530
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     JP 2005529223        T     20050929    JP 2004-513226          20030530
     US 20060167244       A1    20060727    US 2005-516979          20050810
PRAI GB 2002-13480        A     20020613
     GB 2002-14093        A     20020619
     WO 2003-GB2367       W     20030530
OS   MARPAT 140:43124
RE.CNT  17    THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     3.13      58.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
```

CA SUBSCRIBER PRICE 0.00 -4.00

FILE 'REGISTRY' ENTERED AT 05:57:04 ON 15 OCT 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 OCT 2008 HIGHEST RN 1060965-68-5
DICTIONARY FILE UPDATES: 13 OCT 2008 HIGHEST RN 1060965-68-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

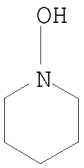
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

```
=> e N-hydroxypiperidine/cn
E1            1     N-HYDROXYPHTHALONIMIDE/CN
E2            1     N-HYDROXYPIPERAZINE/CN
E3            1 --> N-HYDROXYPIPERIDINE/CN
E4            1     N-HYDROXYPIVALANILIDE/CN
E5            1     N-HYDROXYPROPANIMIDAMIDE/CN
E6            1     N-HYDROXYPROPIONAMIDINE/CN
E7            1     N-HYDROXYPROPOXUR/CN
E8            1     N-HYDROXYPROPYL-6-ETHYLCAPROLACTAM/CN
E9            1     N-HYDROXYPROPYL-6-ISOPROPYLCAPROLACTAM/CN
E10           1     N-HYDROXYPROPYL-6-METHYLCAPROLACTAM/CN
E11           1     N-HYDROXYPROPYL-O-BENZYLCHITOSAN/CN
E12           1     N-HYDROXYPROPYLACRYLAMIDE-STYRENE COPOLYMER/CN

=> e3
L12           1 N-HYDROXYPIPERIDINE/CN

=> d l12

L12  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   4801-58-5  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Piperidine, 1-hydroxy-  (CA INDEX NAME)
OTHER NAMES:
CN   1-Hydroxypiperidine
CN   1-Piperidinol
CN   N-Hydroxypiperidine
MF   C5 H11 N O
CI   COM
LC   STN Files:   BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
       CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS*,
       SPECINFO, TOXCENTER, USPAT2, USPATFULL, USPATOLD
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**, NDSL**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

155 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
155 REFERENCES IN FILE CAPLUS (1907 TO DATE)
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.61	66.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.00

FILE 'CAPLUS' ENTERED AT 05:57:45 ON 15 OCT 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 15 Oct 2008 VOL 149 ISS 16
FILE LAST UPDATED: 14 Oct 2008 (20081014/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> l12
L13 155 L12

=> d his

(FILE 'HOME' ENTERED AT 05:34:16 ON 15 OCT 2008)

```
     FILE 'CAPLUS' ENTERED AT 05:35:02 ON 15 OCT 2008
L1             5 HYDOXYLAMINE
L2         37318 HYDROXYLAMINE
L3        920661 INHIBITOR
L4          2177 L2(L)L3
L5        344209 CYCLIC
L6            59 L4(L)L5
L7       2218805 POLYMER?
L8             0 L6 AND LO7
L9             5 L6 AND L7

     FILE 'REGISTRY' ENTERED AT 05:53:45 ON 15 OCT 2008
                E N-HYDROXYPYRROLIDINE/CN
L10            1 E3

     FILE 'CAPLUS' ENTERED AT 05:54:35 ON 15 OCT 2008
L11            1 L10 AND L3

     FILE 'REGISTRY' ENTERED AT 05:57:04 ON 15 OCT 2008
                E N-HYDROXYPIPERIDINE/CN
L12            1 E3

     FILE 'CAPLUS' ENTERED AT 05:57:45 ON 15 OCT 2008
L13          155 L12

=> l3 and l13
L14          17 L3 AND L13

=> l3(l)l13
L15          11 L3(L)L13

=> d l15 1-11 ti

L15  ANSWER 1 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Potent and Selective Nonpeptidic Inhibitors of Procollagen C-Proteinase

L15  ANSWER 2 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of N-phenyl-nicotinamide derivatives as hedgehog signaling
     pathway inhibitors

L15  ANSWER 3 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of phosphonate analogs of HIV protease inhibitors and methods
     for identifying anti-HIV therapeutic compounds

L15  ANSWER 4 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of phosphonate analogs of HIV protease inhibitors and methods
     for identifying anti-HIV therapeutic compounds

L15  ANSWER 5 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Use of cyclic hydroxylamines as polymerization inhibitors

L15  ANSWER 6 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of phosphonate analogs of HIV protease inhibitors and methods
     for identifying anti-HIV therapeutic compounds

L15  ANSWER 7 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of phosphonate analogs of HIV protease inhibitors with
     improved cellular accumulation properties

L15  ANSWER 8 OF 11  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of 3-oxa(di)azolylpropanohydroxamic acids as procollagen
     c-proteinase inhibitors for treatment of wounds
```

L15 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN
TI New Isoxazolopyrimidinones and their use.

L15 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN
TI Polymerization inhibitor compositions for ethylenically unsaturated monomers comprising reducing agents, compounds containing metals with multiple oxidation states, and optionally proton acids

L15 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting popcorn polymer formation in butadiene-styrene copolymerization

=> d l15 10,11 ti fbib

L15 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN
TI Polymerization inhibitor compositions for ethylenically unsaturated monomers comprising reducing agents, compounds containing metals with multiple oxidation states, and optionally proton acids
AN 2000:175882 CAPLUS
DN 132:208291
TI Polymerization inhibitor compositions for ethylenically unsaturated monomers comprising reducing agents, compounds containing metals with multiple oxidation states, and optionally proton acids
IN Bushby, Richard; Lord, Nigel
PA A.H. Marks and Company Limited, UK
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000014175	A1	20000316	WO 1999-GB2978	19990908
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
			GB 1998-19600 A	19980908
AU 9957522	A1	20000327	AU 1999-57522	19990908
			GB 1998-19600 A	19980908
			WO 1999-GB2978 W	19990908

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting popcorn polymer formation in butadiene-styrene copolymerization
AN 1966:508938 CAPLUS
DN 65:108938
OREF 65:20334h,20335a
TI Inhibiting popcorn polymer formation in butadiene-styrene copolymerization
IN McCoy, George; Whiton, Alfred C.; Haines, Paul G.
PA Pennsalt Chemicals Corp.
SO 1 p.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3265751		19660809	US 1964-419199	19641217
				US	19641217

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.50	81.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.00

FILE 'REGISTRY' ENTERED AT 06:08:55 ON 15 OCT 2008

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 OCT 2008 HIGHEST RN 1060965-68-5
DICTIONARY FILE UPDATES: 13 OCT 2008 HIGHEST RN 1060965-68-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10516979\10516979 genus claim 2.str

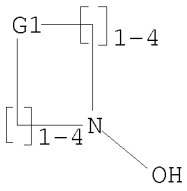
chain nodes :
5
ring nodes :
1 2 3 4
chain bonds :
1-5
ring bonds :
1-2 1-4 2-3 3-4
exact/norm bonds :
1-2 1-4 1-5 2-3 3-4

G1:NH,O,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:CLASS

L16   STRUCTURE UPLOADED

=> d l16
L16 HAS NO ANSWERS
L16   STR



G1 NH,O,S

Structure attributes must be viewed using STN Express query preparation.

=> search l16 sss sam
SAMPLE SEARCH INITIATED 06:09:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 11288 TO ITERATE

17.7% PROCESSED 2000 ITERATIONS 23 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

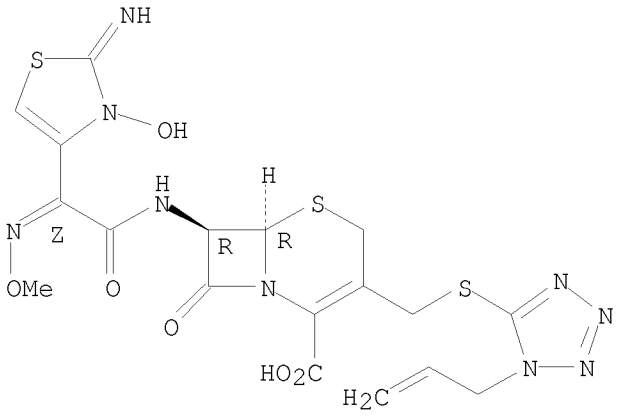
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 219393 TO 232127
PROJECTED ANSWERS: 1913 TO 3279

L17 23 SEA SSS SAM L16

=> d scan

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid,
7-[[(2,3-dihydro-3-hydroxy-2-imino-4-thiazolyl)(methoxyimino)acetyl]amino]-
8-oxo-3-[[[1-(2-propenyl)-1H-tetrazol-5-yl]thio]methyl]-,
[6R-[6α,7β(Z)]]- (9CI)
MF C18 H19 N9 O6 S3

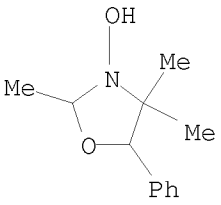
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

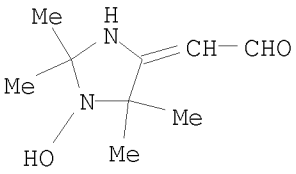
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Oxazolidine, 3-hydroxy-2,4,4-trimethyl-5-phenyl-
MF C12 H17 N O2



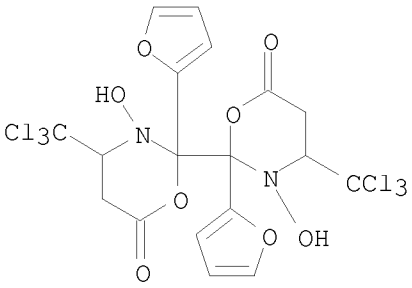
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Acetaldehyde, 2-(1-hydroxy-2,2,5,5-tetramethyl-4-imidazolidinylidene)-
MF C9 H16 N2 O2



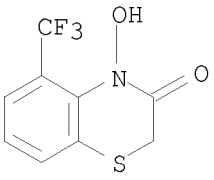
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN [2,2'-Bi-6H-1,3-oxazine]-6,6'-dione,
2,2'-di-2-furyloctahydro-3,3'-dihydroxy-4,4'-bis(trichloromethyl)- (8CI)
MF C18 H14 Cl6 N2 O8



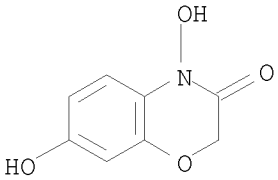
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS   REGISTRY COPYRIGHT 2008 ACS on STN
IN   2H-1,4-Benzothiazin-3(4H)-one, 4-hydroxy-5-(trifluoromethyl)-
MF   C9 H6 F3 N O2 S



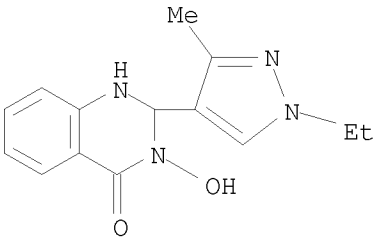
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS   REGISTRY COPYRIGHT 2008 ACS on STN
IN   2H-1,4-Benzoxazin-3(4H)-one, 4,7-dihydroxy-
MF   C8 H7 N O4



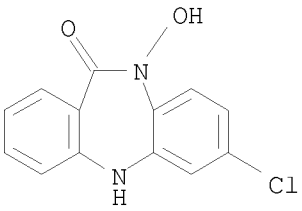
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS   REGISTRY COPYRIGHT 2008 ACS on STN
IN   4(1H)-Quinazolinone, 2-(1-ethyl-3-methyl-1H-pyrazol-4-yl)-2,3-dihydro-3-
     hydroxy-
MF   C14 H16 N4 O2



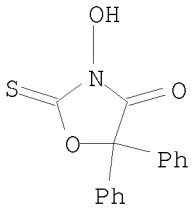
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS   REGISTRY COPYRIGHT 2008 ACS on STN
IN   11H-Dibenzo[b,e][1,4]diazepin-11-one, 7-chloro-5,10-dihydro-10-hydroxy-
MF   C13 H9 Cl N2 O2



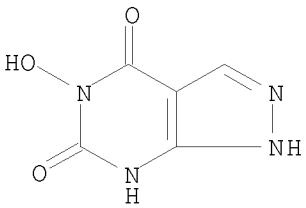
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Oxazolidinone, 3-hydroxy-5,5-diphenyl-2-thioxo-
MF C15 H11 N O3 S



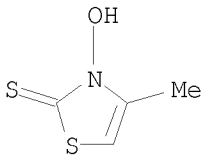
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 1H-Pyrazolo[3,4-d]pyrimidine-4,6(5H,7H)-dione, 5-hydroxy-
MF C5 H4 N4 O3

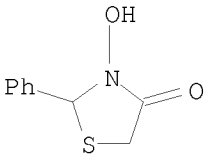


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(3H)-Thiazolethione, 3-hydroxy-4-methyl-, potassium salt (1:1)
MF C4 H5 N O S2 . K

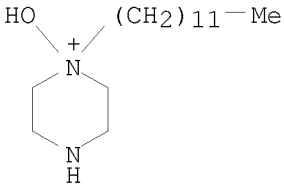


L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Thiazolidinone, 3-hydroxy-2-phenyl-
MF C9 H9 N O2 S



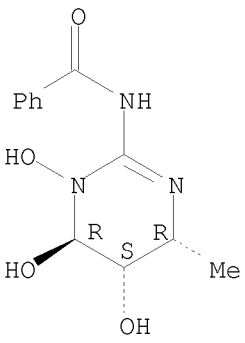
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Piperazinium, 1-dodecyl-1-hydroxy-, chloride, hydrochloride (1:1:1)
MF C16 H35 N2 O . Cl H . Cl



L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzamide, N-[(4R,5S,6R)-1,4,5,6-tetrahydro-1,5,6-trihydroxy-4-methyl-2-pyrimidinyl]-
MF C12 H15 N3 O4

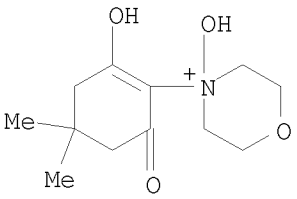
Absolute stereochemistry.



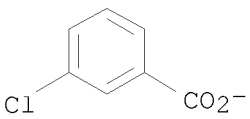
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Morpholinium, 4-hydroxy-4-(2-hydroxy-4,4-dimethyl-6-oxo-1-cyclohexen-1-yl)-, 3-chlorobenzoate (1:1)
MF C12 H20 N O4 . C7 H4 Cl O2

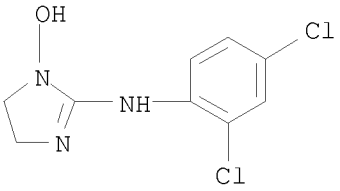
CM 1



CM 2

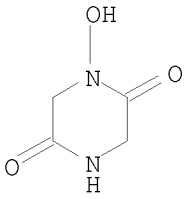


L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 1H-Imidazol-2-amine, N-(2,4-dichlorophenyl)-4,5-dihydro-1-hydroxy-, monohydrobromide (9CI)
MF C9 H9 Cl2 N3 O . Br H



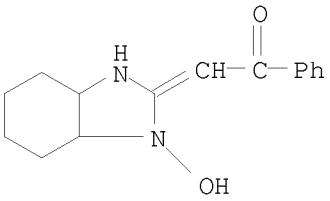
● HBr

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2,5-Piperazinedione, 1-hydroxy-
MF C4 H6 N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

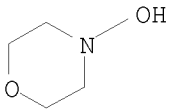
L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Ethanone, 2-(octahydro-1-hydroxy-2H-benzimidazol-2-ylidene)-1-phenyl-
MF C15 H18 N2 O2



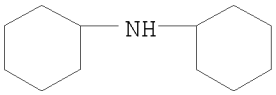
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Morpholine, 4-hydroxy-, compd. with dicyclohexylamine (1:1) (8CI)
MF C12 H23 N . C4 H9 N O2

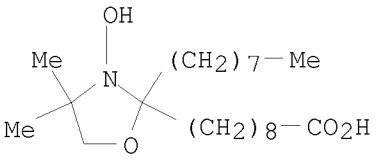
CM 1



CM 2

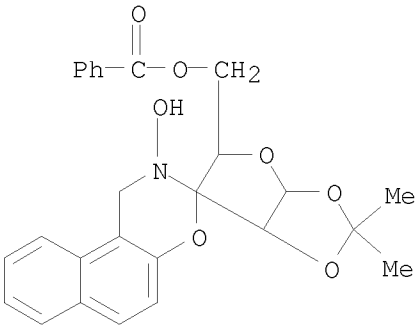


L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Oxazolidinenonanoic acid, 3-hydroxy-4,4-dimethyl-2-octyl-
MF C22 H43 N O4
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 23 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Spiro[furo[2,3-d]-1,3-dioxole-6(5H),3'-[3H]naphth[1,2-e][1,3]oxazine]-5-methanol, 1',2',3a,6a-tetrahydro-2'-hydroxy-2,2-dimethyl-, α-benzoate, (3'S,3aR,5R,6aR)- (9CI)
MF C26 H25 N O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```
=> search l16 sss full
FULL SEARCH INITIATED 06:10:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   226105 TO ITERATE

100.0% PROCESSED   226105 ITERATIONS                              2547 ANSWERS
SEARCH TIME: 00.00.01

L18        2547 SEA SSS FUL L16

=> save temp l18 masterset/a
ANSWER SET L18 HAS BEEN SAVED AS 'MASTERSET/A'

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     179.28     261.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -4.00

FILE 'CAPLUS' ENTERED AT 06:10:43 ON 15 OCT 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 15 Oct 2008  VOL 149 ISS 16
FILE LAST UPDATED: 14 Oct 2008  (20081014/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> l18
L19       1639 L18

=> d his

     (FILE 'HOME' ENTERED AT 05:34:16 ON 15 OCT 2008)

     FILE 'CAPLUS' ENTERED AT 05:35:02 ON 15 OCT 2008
L1            5 HYDOXYLAMINE
L2        37318 HYDROXYLAMINE
L3       920661 INHIBITOR
L4         2177 L2(L)L3
L5       344209 CYCLIC
L6           59 L4(L)L5
```

```
L7      2218805 POLYMER?
L8            0 L6 AND LO7
L9            5 L6 AND L7

     FILE 'REGISTRY' ENTERED AT 05:53:45 ON 15 OCT 2008
                E N-HYDROXYPYRROLIDINE/CN
L10           1 E3

     FILE 'CAPLUS' ENTERED AT 05:54:35 ON 15 OCT 2008
L11           1 L10 AND L3

     FILE 'REGISTRY' ENTERED AT 05:57:04 ON 15 OCT 2008
                E N-HYDROXYPIPERIDINE/CN
L12           1 E3

     FILE 'CAPLUS' ENTERED AT 05:57:45 ON 15 OCT 2008
L13         155 L12
L14          17 L3 AND L13
L15          11 L3(L)L13

     FILE 'REGISTRY' ENTERED AT 06:08:55 ON 15 OCT 2008
L16             STRUCTURE UPLOADED
L17          23 SEARCH L16 SSS SAM
L18        2547 SEARCH L16 SSS FULL
                SAVE TEMP L18 MASTERSET/A

     FILE 'CAPLUS' ENTERED AT 06:10:43 ON 15 OCT 2008
L19        1639 L18

=> l3(l)l19
L20          75 L3(L)L19

=> l7 and l20
L21           9 L7 AND L20

=> d l21 1-9 ti

L21  ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Water-thinned inks and ink-jet recording method using them for forming
     images with excellent light, oxidative gas, and ink spread resistance

L21  ANSWER 2 OF 9  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Use of cyclic hydroxylamines as polymerization inhibitors

L21  ANSWER 3 OF 9  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Vinyl monomer polymerization inhibition using hindered
     hydroxylamines

L21  ANSWER 4 OF 9  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Identification of N-hydroxamic acid and N-hydroxyimide compounds that
     inhibit the influenza virus polymerase

L21  ANSWER 5 OF 9  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Inhibiting effect of radical polymerization of vinyl monomers.
     (XV). Behavior of some substituted hydroxylamines in the copolymerization
     of styrene with acrylonitrile

L21  ANSWER 6 OF 9  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Inhibiting effect of radical polymerization for vinyl monomers.
     XI.  Studies on the inhibition and their chain transfer constants of
     substituted hydroxylamine compounds in bulk polymerization of
     vinyl acetate and acrylonitrile
```

L21 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting effects of radical polymerization of vinyl monomers. X. Studies on the inhibition and its mechanism of hydroxylamines compounds in free radical polymerization of styrene

L21 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI An ESR study of nitroxide radicals produced in the radical polymerization of vinyl monomer

L21 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting popcorn polymer formation in butadiene-styrene copolymerization

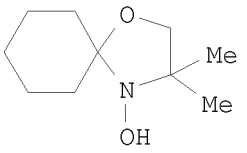
=> d l21 3-9 ti fbib abs

L21 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Vinyl monomer polymerization inhibition using hindered hydroxylamines
AN 2000:175883 CAPLUS
DN 132:208292
TI Vinyl monomer polymerization inhibition using hindered hydroxylamines
IN Roof, Glenn L.; Shahid, Muslim
PA Baker Hughes Incorporated, USA
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2000014177	A1	20000316	WO 1999-US20598		19990908
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
				US 1998-99634P	P	19980909
	CA 2343022	A1	20000316	CA 1999-2343022		19990908
				US 1998-99634P	P	19980909
				WO 1999-US20598	W	19990908
	AU 9958170	A1	20000327	AU 1999-58170		19990908
				US 1998-99634P	P	19980909
				WO 1999-US20598	W	19990908
	EP 1114119	A1	20010711	EP 1999-945595		19990908
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI					
				US 1998-99634P	P	19980909
				WO 1999-US20598	W	19990908
	US 6342647	B1	20020129	US 1999-391970		19990908
				US 1998-99634P	P	19980909
	JP 2002524471	T	20020806	JP 2000-568926		19990908
				US 1998-99634P	P	19980909
				WO 1999-US20598	W	19990908
	TW 534923	B	20030601	TW 1999-88115576		19990929
				US 1998-99634P	P	19980909
	NO 2001001016	A	20010503	NO 2001-1016		20010227

US 1998-99634P P 19980909
WO 1999-US20598 W 19990908

OS MARPAT 132:208292
GI



I

AB It has been discovered that the polymerization of vinyl aromatic compds., such as styrene, may be inhibited by the addition of a composition that contains a hindered hydroxylamine, and, optionally, a synergist together with the hindered hydroxylamine. In one embodiment of the invention, the hindered N,N-disubstituted hydroxylamine has the formula [(R1R2R3)C]2NOH where R1, R2, and R3 are independently selected from the group consisting of hydrogen, straight, branched or cyclic alkyl, aryl, aralkyl, and alkaryl moieties; where no more than two of R1, R2, and R3 on each C can be hydrogen at a time; where one or more of R1, R2, and R3 on one C may be joined to a R1, R2, and R3 on the other C to form a cyclic moiety selected from the group consisting of alkylene, and aralkylene moieties; where any two of the R1, R2, and R3 on any one C may be joined together to form a cycloalkyl; where any of the above definitions of R1, R2, and R3 may contain one or more heteroatoms selected from the group consisting of N, O and S; and where the total number of carbon atoms in the hindered N,N-disubstituted hydroxylamine ranges from 6 to 70. Optional synergists may include alkyl-substituted hydroxyarenes such as 2,5-di-tert-butylhydroquinone, and hydrogen transfer agents such as 1,2,3,4-tetrahydronaphthalene; and the like, and mixts. thereof. Thus, distilled styrene was heated at 118° for 90 min with an inhibitor composition comprising I (preparation given) 125, 2,5-di-tert-butylhydroquinone 125, and 1,2,3,4-tetrahydronaphthalene 125 ppm giving 1900 mg polystyrene/100 mL styrene, compared with 35,000 mg polystyrene without the inhibitor composition
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Identification of N-hydroxamic acid and N-hydroxyimide compounds that inhibit the influenza virus polymerase
AN 1996:706454 CAPLUS
DN 126:98827
OREF 126:18909a,18912a
TI Identification of N-hydroxamic acid and N-hydroxyimide compounds that inhibit the influenza virus polymerase
AU Cianci, C.; Chung, T. D. Y.; Meanwell, N.; Putz, H.; Hagen, M.; Colonno, R. J.; Krystal, M.
CS Dep. Virology and Chem., Bristol-Myers Squibb Pharmaceutical Res. Inst., Wallingford, CT, 06492, USA
SO Antiviral Chemistry & Chemotherapy (1996), 7(6), 353-360
CODEN: ACCHEH; ISSN: 0956-3202
PB Blackwell
DT Journal
LA English
AB The RNA-dependent RNA polymerase of influenza virus transcribes mRNA through a unique cap-scavenging mechanism. The polymerase

binds to the cap structure at the 5' ends of host mRNAs, which are then cleaved and used as primers for viral mRNA synthesis. In an effort to discover antiviral compds. against this target, an in-vitro transcription assay was utilized to screen a proprietary chemical collection. Results of this screening effort identified an N-hydroxamic acid structure as an inhibitor of the capped RNA-dependent transcriptase activity. Subsequent sub-structure searching and screening based upon this pharmacophore identified two related N-hydroxy-imide compds. as specific inhibits. These compds. were found to inhibit the cap-scavenging mechanism through inhibition of the endonuclease function of the polymerase.

L21 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting effect of radical polymerization of vinyl monomers. (XV). Behavior of some substituted hydroxylamines in the copolymerization of styrene with acrylonitrile
AN 1993:255417 CAPLUS
DN 118:255417
OREF 118:44413a,44416a
TI Inhibiting effect of radical polymerization of vinyl monomers. (XV). Behavior of some substituted hydroxylamines in the copolymerization of styrene with acrylonitrile
AU Zhang, Ziyi; Li, Zhaolong; Yang, Maolin
CS Dep. Chem., Lanzhou Univ., Lanzhou, 730000, Peop. Rep. China
SO Gaodeng Xuexiao Huaxue Xuebao (1992), 13(10), 1319-22
CODEN: KTHPDM; ISSN: 0251-0790
DT Journal
LA Chinese
AB Radical polymerization of styrene (I) and acrylonitrile (II) was carried out in the presence of N,N'-diethylhydroxylamine (III), N,N'-diisopropylhydroxylamine (IV), and 4-hydroxymorpholine (V) at 60° with benzoyl peroxide catalyst. They were all very efficient inhibitors, following the efficiency order of III > V > IV. The reactivity ratio r1 and r2 for I and II, resp., were different for different inhibitors. Using 500 ppm hydroxylamines, r2 increased, but r1 decreased and the azeotropic point of the polymerization decreased from 0.62 to 0.55, 0.54, and 0.57 for I, II, and III, resp., indicating the increasing tendency toward alternating copolymn.

L21 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting effect of radical polymerization for vinyl monomers. XI. Studies on the inhibition and their chain transfer constants of substituted hydroxylamine compounds in bulk polymerization of vinyl acetate and acrylonitrile
AN 1991:164864 CAPLUS
DN 114:164864
OREF 114:27909a,27912a
TI Inhibiting effect of radical polymerization for vinyl monomers. XI. Studies on the inhibition and their chain transfer constants of substituted hydroxylamine compounds in bulk polymerization of vinyl acetate and acrylonitrile
AU Zhang, Ziyi; Li, Zhaolong; Bai, Yanlong; Lu, Zhizhen
CS Dep. Chem., Lanzhou Univ., Lanzhou, Peop. Rep. China
SO Gaofenzi Xuebao (1990), (2), 239-43
CODEN: GAXUE9; ISSN: 1000-3304
DT Journal
LA Chinese
AB The effect of (2.38-2.86) + 10-2 M AIBN and 8.8 + 10-2 to 6.1 + 10-4 M of substituted hydroxylamines such as Et2NOH, iso-Pr2NOH, N-hydroxylmorpholine, 2,2,6,6-tetramethyl-4-hydroxylpiperidinehydroxylamine, PhNHOH, and Ph2NOH on bulk polymn. of vinyl acetate (I) and acrylonitrile (II) at 60° was studied. The polymerization inhibiting effect of these hydroxylamines was more

pronounced for I than for II. The chain-transfer consts. (Cs) of these compds. in bulk polymerization of I and II were calculated by the Mayo equation. The Cs value for I in bulk polymerization was greater than that for II. These differences were dependent on the structure of the hydroxylamines and the derived nitroxide radical and the electron-donating or electron-accepting properties of the monomers and radicals formed.

L21 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting effects of radical polymerization of vinyl monomers. X. Studies on the inhibition and its mechanism of hydroxylamines compounds in free radical polymerization of styrene
AN 1991:164863 CAPLUS
DN 114:164863
OREF 114:27909a,27912a
TI Inhibiting effects of radical polymerization of vinyl monomers. X. Studies on the inhibition and its mechanism of hydroxylamines compounds in free radical polymerization of styrene
AU Zhang, Ziyi; Li, Zhaolong; Wang, Xiaoyan; Lu, Zhizhen; Wang, Hanqing; Feng, Liangbo
CS Dep. Chem., Lanzhou Univ., Lanzhou, Peop. Rep. China
SO Gaofenzi Xuebao (1990), (2), 233-8
CODEN: GAXUE9; ISSN: 1000-3304
DT Journal
LA Chinese
AB The inhibiting effects of Et2NOH (I), iso-Pr2NOH (II), 2,2,6,6-tetramethyl-4-hydroxypiperidinehydroxylamine (III), 4-hydroxylmorpholine (IV), PhNOH, and Ph2NOH (V) on AIBN-initiated bulk polymerization of styrene were studied by dilatometric method. The induction period of polymerization, the rate of propagating polymerization, the mol. weight of polystyrene, the retarding coefficient, and the inhibiting factor were determined The inhibiting efficiency of the substituted hydroxylamines was dependent on the rate and stability of the nitroxide radical formed in the reaction. The relative inhibiting reactivities of the hydroxylamines were in the following order: I > III > V > II > IV. The polymerization inhibiting mechanism of the hydroxylamines was discussed according to ESR data.

L21 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI An ESR study of nitroxide radicals produced in the radical polymerization of vinyl monomer
AN 1990:217575 CAPLUS
DN 112:217575
OREF 112:36757a,36760a
TI An ESR study of nitroxide radicals produced in the radical polymerization of vinyl monomer
AU Wang, Hanqing; Feng, Liangbo; Cai, Banghua; Zhang, Ziyi; Lu, Zhizhen; Li, Zhaolong
CS Lanzhou Inst. Chem. Phys., Chin. Acad. Sci., Lanzhou, Peop. Rep. China
SO Bopuxue Zazhi (1989), 6(3), 369-76
CODEN: BOZAE2; ISSN: 1000-4556
DT Journal
LA English
AB An ESR study showed that the radical polymerization of vinyl monomers was inhibited by the presence of hydroxylamines. The hydroxylamines abstracted radicals from growing polymer chains, and the resulting nitroxide radicals, which inhibited polymerization, were observed by ESR.

L21 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
TI Inhibiting popcorn polymer formation in butadiene-styrene copolymerization
AN 1966:508938 CAPLUS

DN 65:108938
OREF 65:20334h,20335a
TI Inhibiting popcorn polymer formation in butadiene-styrene copolymerization
IN McCoy, George; Whiton, Alfred C.; Haines, Paul G.
PA Pennsalt Chemicals Corp.
SO 1 p.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3265751		19660809	US 1964-419199	19641217
				US	19641217

AB A mixture of 30 ml. styrene, 1 ml. butadiene, and 0.5 g. of a popcorn polymer (seed from a styrene-butadiene rubber flash tank is activated before use by exposing it overnight to a 100-w. lamp) heated to 140°F. gave popcorn-polymer formation in 8-10 hrs. A similar mixture containing 0.05% N,N-diethylhydroxylamine (CA 61, 13509d) required 12 days and addition of 0.5% N-hydroxymorpholine inhibited polymer formation for 22 days.

=> d cost

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
CONNECT CHARGES	5.46	30.29
NETWORK CHARGES	0.78	4.38
SEARCH CHARGES	0.00	200.92
DISPLAY CHARGES	23.61	55.51
FULL ESTIMATED COST	29.85	291.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.60	-9.60

IN FILE 'CAPLUS' AT 06:18:36 ON 15 OCT 2008

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	29.85	291.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.60	-9.60

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:18:44 ON 15 OCT 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

```
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:23:42 ON 15 OCT 2008
FILE 'CAPLUS' ENTERED AT 07:23:42 ON 15 OCT 2008
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      29.85     291.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -5.60      -9.60

=> d his

     (FILE 'HOME' ENTERED AT 05:34:16 ON 15 OCT 2008)

     FILE 'CAPLUS' ENTERED AT 05:35:02 ON 15 OCT 2008
L1             5 HYDOXYLAMINE
L2         37318 HYDROXYLAMINE
L3        920661 INHIBITOR
L4          2177 L2(L)L3
L5        344209 CYCLIC
L6            59 L4(L)L5
L7       2218805 POLYMER?
L8             0 L6 AND LO7
L9             5 L6 AND L7

     FILE 'REGISTRY' ENTERED AT 05:53:45 ON 15 OCT 2008
                E N-HYDROXYPYRROLIDINE/CN
L10            1 E3

     FILE 'CAPLUS' ENTERED AT 05:54:35 ON 15 OCT 2008
L11            1 L10 AND L3

     FILE 'REGISTRY' ENTERED AT 05:57:04 ON 15 OCT 2008
                E N-HYDROXYPIPERIDINE/CN
L12            1 E3

     FILE 'CAPLUS' ENTERED AT 05:57:45 ON 15 OCT 2008
L13          155 L12
L14           17 L3 AND L13
L15           11 L3(L)L13

     FILE 'REGISTRY' ENTERED AT 06:08:55 ON 15 OCT 2008
L16               STRUCTURE UPLOADED
L17           23 SEARCH L16 SSS SAM
L18         2547 SEARCH L16 SSS FULL
                  SAVE TEMP L18 MASTERSET/A

     FILE 'CAPLUS' ENTERED AT 06:10:43 ON 15 OCT 2008
L19         1639 L18
L20           75 L3(L)L19
L21            9 L7 AND L20

=> save temp all HOAmineSrch/l
L# LIST L1-L21 HAS BEEN SAVED AS 'HOAMINESRCH/L'

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
```

	ENTRY	SESSION
FULL ESTIMATED COST	30.81	292.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.60	-9.60

STN INTERNATIONAL LOGOFF AT 07:24:42 ON 15 OCT 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 28	CA/CAplus patent coverage enhanced
NEWS 3	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 4	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 5	JUL 28	STN Viewer performance improved
NEWS 6	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 7	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 8	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 9	AUG 15	CAplus currency for Korean patents enhanced
NEWS 10	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 11	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 12	SEP 25	CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS 13	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and and Korean patents enhanced
NEWS 14	SEP 29	IFICLS enhanced with new super search field
NEWS 15	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS 16	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS 17	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS 18	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS 19	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS 20	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS 21	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances

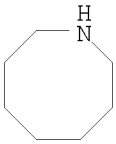
```
 NEWS 22  NOV 21  CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
 NEWS 23  NOV 26  MARPAT enhanced with FSORT command
 NEWS 24  NOV 26  MEDLINE year-end processing temporarily halts
                  availability of new fully-indexed citations
 NEWS 25  NOV 26  CHEMSAFE now available on STN Easy
 NEWS 26  NOV 26  Two new SET commands increase convenience of STN
                  searching
 NEWS 27  DEC 01  ChemPort single article sales feature unavailable

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:54:59 ON 01 DEC 2008

=>
=> file retg
'RETG' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'HOME'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 11:55:18 ON 01 DEC 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   30 NOV 2008  HIGHEST RN 1077629-73-2
DICTIONARY FILE UPDATES:  30 NOV 2008  HIGHEST RN 1077629-73-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.
```

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

```
=> e hydroxyazocan/cn
E1            1     HYDROXYATRAZINE HYDROLASE (BETA GROUP PROTEOBACTERIUM CDB21
                    STRAIN CDB21 GENE ATZB)/CN
E2            1     HYDROXYAURATE(1-)/CN
E3            0 --> HYDROXYAZOCAN/CN
E4            1     HYDROXYBALCHANOLIDE/CN
E5            1     HYDROXYBEBEERINE/CN
E6            1     HYDROXYBEHENIC ACID/CN
E7            1     HYDROXYBENZALDEHYDE/CN
E8            1     HYDROXYBENZALDEHYDE DEHYDROGENASE (ACINETOBACTER BAUMANNII S
                    TRAIN ATCC 17978)/CN
E9            1     HYDROXYBENZALDEHYDE DEHYDROGENASE (ACINETOBACTER STRAIN ADP1
                     GENE HCAB)/CN
E10           1     HYDROXYBENZALDEHYDE OXIME/CN
E11           1     HYDROXYBENZALDEHYDE-PHENOL COPOLYMER/CN
E12           1     HYDROXYBENZAMIDE/CN

=> e N-hydroxyazocan/cn
E1            1     N-HYDROXYASPARTIC ACID/CN
E2            1     N-HYDROXYASPARTONITRILE/CN
E3            0 --> N-HYDROXYAZOCAN/CN
E4            1     N-HYDROXYBENZAMIDE/CN
E5            1     N-HYDROXYBENZAMIDE POTASSIUM SALT/CN
E6            1     N-HYDROXYBENZAMIDINE/CN
E7            1     N-HYDROXYBENZANILIDE/CN
E8            1     N-HYDROXYBENZENAMINE/CN
E9            1     N-HYDROXYBENZENAMINE HYDROCHLORIDE/CN
E10           1     N-HYDROXYBENZENAMINE MUTASE/CN
E11           1     N-HYDROXYBENZENEACETAMIDE MONOPOTASSIUM SALT/CN
E12           1     N-HYDROXYBENZENECARBOXIMIDAMIDE/CN

=> e azocan/cn
E1            1     AZOBUTANE/CN
E2            1     AZOC 2SH/CN
E3            1 --> AZOCAN/CN
E4            1     AZOCAN-1-AMINE/CN
E5            1     AZOCAN-2-ONE/CN
E6            1     AZOCANE/CN
E7            1     AZOCARD/CN
E8            1     AZOCARD BLACK EW/CN
E9            1     AZOCARD BLACK RW/CN
E10           1     AZOCARD BLUE 2B/CN
E11           1     AZOCARD BLUE 6B/CN
E12           1     AZOCARD BLUE BH/CN

=> e3
L1            1 AZOCAN/CN

=> d l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   1121-92-2  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Azocine, octahydro-  (CA INDEX NAME)
```

OTHER CA INDEX NAMES:
CN Heptamethylenimine (6CI, 7CI)
OTHER NAMES:
CN 1-Azacyclooctane
CN Azacyclooctane
CN Azocan
CN Azocane
CN Octahydroazocine
CN Perhydroazocine
MF C7 H15 N
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DETHERM*, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, PS, SPECINFO, TOXCENTER, USPAT2, USPATFULL, USPATOLD
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

388 REFERENCES IN FILE CA (1907 TO DATE)
15 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
388 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.07	8.28

FILE 'CAPLUS' ENTERED AT 11:56:43 ON 01 DEC 2008

FILE COVERS 1907 - 1 Dec 2008 VOL 149 ISS 23
FILE LAST UPDATED: 30 Nov 2008 (20081130/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> l1
L2   388 L1

=> tempo
          4732 TEMPO
            62 TEMPOS
             5 TEMPI
             4 TEMPIS
L3   4782 TEMPO
                (TEMPO OR TEMPOS OR TEMPI OR TEMPIS)

=> l2 and l3
L4   0 L2 AND L3

=> hydroxylamine
         36182 HYDROXYLAMINE
          3205 HYDROXYLAMINES
L5   37459 HYDROXYLAMINE
                (HYDROXYLAMINE OR HYDROXYLAMINES)

=> l2 and l5
L6   5 L2 AND L5

=> d l6 1-5 ti

L6   ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI   Preparation of benzimidazoles as common ligand mimics

L6   ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI   Preparation and formulation of imidazoquinazoline derivatives as
     cGMP-phosphodiesterase inhibitors

L6   ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI   Preparation of cyclic hexapeptide (RA-VII) derivatives as antitumor agents

L6   ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI   Nucleophilicity towards a vinylic carbon atom: rate constants for the
     addition of amines to the 1-methyl-4-vinylpyridinium cation in aqueous
     solution

L6   ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI   5-Aminoisoxazole derivatives and pharmaceutical preparations containing
     them

=> inhibit?
L7   2092078 INHIBIT?

=> hydroxyindole
          4175 HYDROXYINDOLE
           610 HYDROXYINDOLES
L8   4445 HYDROXYINDOLE
                (HYDROXYINDOLE OR HYDROXYINDOLES)

=> l7(l)l8
L9   657 L7(L)L8

```
=> radical
        338777 RADICAL
        179233 RADICALS
L10     412584 RADICAL
                (RADICAL OR RADICALS)

=> l9(l)l10
L11          7 L9(L)L10

=> d l11 1-7 ti

L11  ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Synthesis and biological evaluation of novel angular fused
     pyrrolocoumarins

L11  ANSWER 2 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Modification of 5-Hydroxytryptophan-Evoked 5-Hydroxytryptamine formation
     of guinea pig colonic mucosa by reactive oxygen species

L11  ANSWER 3 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Examination of pineal indoles and 6-methoxy-2-benzoxazolinone for
     antioxidant and antimicrobial effects

L11  ANSWER 4 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Antioxidative and free radical-scavenging activities of pineal indoles

L11  ANSWER 5 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   5-Hydroxy-3-ethylamino-2-oxindole is not formed in rat brain following a
     neurotoxic dose of methamphetamine: evidence that methamphetamine does not
     induce the hydroxyl radical-mediated oxidation of serotonin

L11  ANSWER 6 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Mechanistic studies on dopamine β-monooxygenase catalysis:
     N-dealkylation and mechanism-based inhibition by
     benzylic-nitrogen-containing compounds.  Evidence for a
     single-electron-transfer mechanism

L11  ANSWER 7 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Polycyclic phenols in alkaline solution:  stable substrates for superoxide
     dismutase?


=> d l11 4 ti fbib abs

L11  ANSWER 4 OF 7  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Antioxidative and free radical-scavenging activities of pineal indoles
AN   2001:135822  CAPLUS
DN   135:132015
TI   Antioxidative and free radical-scavenging activities of pineal indoles
AU   Ng, T. B.; Liu, F.; Zhao, L.
CS   Department of Biochemistry, Faculty of Medicine, The Chinese University of
     Hong Kong, Shatin, Hong Kong
SO   Journal of Neural Transmission (2000), 107(11), 1243-1251
     CODEN: JNTRF3; ISSN: 1435-1463
PB   Springer-Verlag Wien
DT   Journal
LA   English
AB   The antioxidant action, free radical-scavenging activity, and
     pro-oxidant effect of pineal indoles were studied.  Serotonin,
     5-hydroxytryptophol, 5-methoxytryptophol, and 5-methoxytryptamine potently
     inhibited lipid peroxidn. in rat brain, liver, and kidney
     homogenates and hemolysis of rat erythrocytes.  5-Methoxyindole-3-acetic
```

acid and 5-hydroxyindole-3-acetic acid potently suppressed superoxide radical formation. 5-Hydroxytryptophol and 5-hydroxyindole-3-acetic acid inhibited hydroxyl radical generation. Serotonin, 5-hydroxytryptophol, and 5-hydroxyindole-3-acetic acid exhibited a pro-oxidant action in the bleomycin-Fe system. This study demonstrated that 5-methoxytryptamine, among the various pineal indoles tested, exhibited the most potent antioxidant action and was devoid of pro-oxidant effect. Serotonin, 5-hydroxytryptophol, and 5-methoxytryptophol also had high antioxidative activity. By comparison, melatonin had a lower antioxidant potency.

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> File reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.15	30.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

FILE 'REGISTRY' ENTERED AT 12:02:18 ON 01 DEC 2008

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 NOV 2008 HIGHEST RN 1077629-73-2
DICTIONARY FILE UPDATES: 30 NOV 2008 HIGHEST RN 1077629-73-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

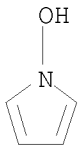
http://www.cas.org/support/stngen/stndoc/properties.html

=> e 1-hydroxy-2,3,-dihydroindole/cn

E1	1	1-HYDROXY-2,2-DIMETHYLDECANE/CN
E2	1	1-HYDROXY-2,2-DIMETHYLPROPYL RADICAL/CN
E3	0 -->	1-HYDROXY-2,3,-DIHYDROINDOLE/CN
E4	1	1-HYDROXY-2,3,4,5,6-PENTACHLOROBENZENE/CN
E5	1	1-HYDROXY-2,3,4,5,8-PENTAMETHYL-10(9H)-ANTHRACENONE/CN
E6	1	1-HYDROXY-2,3,4,5,8-PENTAMETHYL-9,10-ANTHRAQUINONE/CN
E7	1	1-HYDROXY-2,3,4,5-TETRAMETHOXYXANTHONE/CN
E8	1	1-HYDROXY-2,3,4,7-TETRAMETHOXYXANTHONE/CN
E9	1	1-HYDROXY-2,3,4,9-TETRAMETHYL-10-(9H)ANTHRACENONE/CN
E10	1	1-HYDROXY-2,3,4-TRIMETHOXYACRIDAN-9-ONE/CN
E11	1	1-HYDROXY-2,3,4-TRIMETHOXYBENZENE/CN
E12	1	1-HYDROXY-2,3,4-TRIMETHYL-10(9H)-ANTHRACENONE/CN

```
=> e 1-hydroxydihydroindole/cn
E1            1     1-HYDROXYDIBENZOFURAN-4,6-DICARBOXYLIC ACID DIMETHYL ESTER/C
                    N
E2            1     1-HYDROXYDIBENZOTHIOPHENE/CN
E3            0 --> 1-HYDROXYDIHYDROINDOLE/CN
E4            1     1-HYDROXYDODECANE/CN
E5            1     1-HYDROXYDODECANE-1,1-DIPHOSPHONATE AMMONIUM SALT/CN
E6            1     1-HYDROXYDODECANE-1,1-DIPHOSPHONIC ACID/CN
E7            1     1-HYDROXYEPIACORONE/CN
E8            1     1-HYDROXYERGOCALCIFEROL/CN
E9            1     1-HYDROXYESTRA-1,3,5(10)-TRIEN-17B-OL/CN
E10           1     1-HYDROXYESTRADIOL/CN
E11           1     1-HYDROXYESTRIOL/CN
E12           1     1-HYDROXYESTRONE/CN

=> e 1-hydroxyindole/cn
E1            1     1-HYDROXYINDAN-4-CARBOXYLIC ACID/CN
E2            1     1-HYDROXYINDENE/CN
E3            1 --> 1-HYDROXYINDOLE/CN
E4            1     1-HYDROXYINDOLE-3-CARBOXALDEHYDE/CN
E5            1     1-HYDROXYINOSINE/CN
E6            1     1-HYDROXYISATIN/CN
E7            1     1-HYDROXYISOBUTYLIDENEDIPHOSPHONIC ACID/CN
E8            1     1-HYDROXYISOOBACUNOIC ACID METHYL ESTER/CN
E9            1     1-HYDROXYISOPROPYL ACETATE/CN
E10           1     1-HYDROXYISOPROPYL BENZOATE/CN
E11           1     1-HYDROXYISOQUINOLINE/CN
E12           1     1-HYDROXYISOQUINOLINE 2-OXIDE/CN

=> e3
L12           1 1-HYDROXYINDOLE/CN

=> e 1-hydroxypyrrole/cn
E1            1     1-HYDROXYPYRIDINIUM TRICHLOROACETATE/CN
E2            1     1-HYDROXYPYRIDO(3,2-A)ANTHRACENE-2-CARBOXYLIC ACID/CN
E3            1 --> 1-HYDROXYPYRROLE/CN
E4            1     1-HYDROXYPYRROLIDINE/CN
E5            1     1-HYDROXYPYRROLIZIDINE/CN
E6            1     1-HYDROXYQUINALDINIUM BROMIDE/CN
E7            1     1-HYDROXYQUINALDINIUM CHLORIDE/CN
E8            1     1-HYDROXYQUINALDINIUM IODIDE/CN
E9            1     1-HYDROXYQUINOLIZINIUM BROMIDE/CN
E10           1     1-HYDROXYQUINOLIZINIUM BROMIDE, ACETATE/CN
E11           1     1-HYDROXYQUINOLIZINIUM HYDROXIDE, INNER SALT/CN
E12           1     1-HYDROXYQUINOLIZINIUM NITRATE/CN

=> e3
L13           1 1-HYDROXYPYRROLE/CN

=> d l13

L13  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   56962-81-3  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   1H-Pyrrole, 1-hydroxy-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Pyrrole, 1-hydroxy- (1CI)
OTHER NAMES:
CN   1-Hydroxypyrrole
CN   N-Hydroxypyrrole
MF   C4 H5 N O
CI   COM
```

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, USPATFULL
        (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

             18 REFERENCES IN FILE CA (1907 TO DATE)
              6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             18 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e 1-hydroxydihydropyrrole/cn
E1   1   1-HYDROXYDIBENZOFURAN-4,6-DICARBOXYLIC ACID DIMETHYL ESTER/C
                  N
E2   1   1-HYDROXYDIBENZOTHIOPHENE/CN
E3   0 --> 1-HYDROXYDIHYDROPYRROLE/CN
E4   1   1-HYDROXYDODECANE/CN
E5   1   1-HYDROXYDODECANE-1,1-DIPHOSPHONATE AMMONIUM SALT/CN
E6   1   1-HYDROXYDODECANE-1,1-DIPHOSPHONIC ACID/CN
E7   1   1-HYDROXYEPIACORONE/CN
E8   1   1-HYDROXYERGOCALCIFEROL/CN
E9   1   1-HYDROXYESTRA-1,3,5(10)-TRIEN-17B-OL/CN
E10   1   1-HYDROXYESTRADIOL/CN
E11   1   1-HYDROXYESTRIOL/CN
E12   1   1-HYDROXYESTRONE/CN

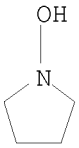
=> e 1-hydroxypyrrolidine/cn
E1   1   1-HYDROXYPYRIDO(3,2-A)ANTHRACENE-2-CARBOXYLIC ACID/CN
E2   1   1-HYDROXYPYRROLE/CN
E3   1 --> 1-HYDROXYPYRROLIDINE/CN
E4   1   1-HYDROXYPYRROLIZIDINE/CN
E5   1   1-HYDROXYQUINALDINIUM BROMIDE/CN
E6   1   1-HYDROXYQUINALDINIUM CHLORIDE/CN
E7   1   1-HYDROXYQUINALDINIUM IODIDE/CN
E8   1   1-HYDROXYQUINOLIZINIUM BROMIDE/CN
E9   1   1-HYDROXYQUINOLIZINIUM BROMIDE, ACETATE/CN
E10   1   1-HYDROXYQUINOLIZINIUM HYDROXIDE, INNER SALT/CN
E11   1   1-HYDROXYQUINOLIZINIUM NITRATE/CN
E12   1   1-HYDROXYQUINOLIZINIUM PICRATE/CN

=> e3
L14   1 1-HYDROXYPYRROLIDINE/CN

=> d l14

L14 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN   5904-62-1 REGISTRY
ED   Entered STN: 16 Nov 1984
CN   Pyrrolidine, 1-hydroxy- (CA INDEX NAME)
OTHER NAMES:
CN   1-Hydroxypyrrolidine
CN   1-Pyrrolidinol
CN   N-Hydroxypyrrolidine
CN   NSC 71874

MF C4 H9 N O
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
      CHEMINFORMRX, CHEMLIST, TOXCENTER, USPATFULL, USPATOLD
        (*File contains numerically searchable property data)
    Other Sources: EINECS**
        (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

              51 REFERENCES IN FILE CA (1907 TO DATE)
              51 REFERENCES IN FILE CAPLUS (1907 TO DATE)
               5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   22.21   52.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
CA SUBSCRIBER PRICE   0.00   -0.80

FILE 'CAPLUS' ENTERED AT 12:05:51 ON 01 DEC 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 1 Dec 2008 VOL 149 ISS 23
FILE LAST UPDATED: 30 Nov 2008 (20081130/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> l14
L15   51 L14

```
=> d his

     (FILE 'HOME' ENTERED AT 11:54:59 ON 01 DEC 2008)

     FILE 'REGISTRY' ENTERED AT 11:55:18 ON 01 DEC 2008
                E HYDROXYAZOCAN/CN
                E N-HYDROXYAZOCAN/CN
                E AZOCAN/CN
L1              1 E3

     FILE 'CAPLUS' ENTERED AT 11:56:43 ON 01 DEC 2008
L2            388 L1
L3           4782 TEMPO
L4              0 L2 AND L3
L5          37459 HYDROXYLAMINE
L6              5 L2 AND L5
L7        2092078 INHIBIT?
L8           4445 HYDROXYINDOLE
L9            657 L7(L)L8
L10        412584 RADICAL
L11             7 L9(L)L10

     FILE 'REGISTRY' ENTERED AT 12:02:18 ON 01 DEC 2008
                E 1-HYDROXY-2,3,-DIHYDROINDOLE/CN
                E 1-HYDROXYDIHYDROINDOLE/CN
                E 1-HYDROXYINDOLE/CN
L12             1 E3
                E 1-HYDROXYPYRROLE/CN
L13             1 E3
                E 1-HYDROXYDIHYDROPYRROLE/CN
                E 1-HYDROXYPYRROLIDINE/CN
L14             1 E3

     FILE 'CAPLUS' ENTERED AT 12:05:51 ON 01 DEC 2008
L15            51 L14

=> l7 and l145
L145 NOT FOUND
The L-number entered could not be found.  To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> l7 and l15
L16            2 L7 AND L15

=> d l16 1-2ti
'1-2TI' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
```

```
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>).  Examples of formats include: TI; TI,AU; BIB,ST;
TI,IND; TI,SO.  You may specify the format fields in any order and the
information will be displayed in the same order as the format
specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR,
FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC
to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d l16 1-2 ti

L16  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Use of cyclic hydroxylamines as polymerization inhibitors

L16  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
TI   Preparation of (biphenylylmethyl)quinazolinones as angiotensin II receptor
     blockers.


=> logoff hold
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 1.68      54.32
```

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:07:10 ON 01 DEC 2008